

ABSTRACT OF THE INVENTION

A dual band linear antenna array, having a set of radiator constructed by four hard linear conductors. The linear conductors are equidistantly arranged at four corners and extend parallel to each other. By serially
5 connecting to a signal feed terminal, the roots of the linear conductors are connected to a copper tube via a coaxial cable external conductor (ground signal). Three of the linear conductors have the same length, which is about one quarter wavelength of the high-frequency electric wave received thereby and transmitted therefrom. The other linear conductor has the length longer
10 than these three linear conductors at about one quarter wavelength of a low-frequency electric wave received thereby and transmitted therefrom. Thereby, an array of dual band antenna is obtained to achieve omnidirectional reception and transmission of radiation.